



11-17-04

IFW #

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

5

Application Number

10/615623

Filing Date

07/08/2003

First Named Inventor

Abraham

Art Unit

1651

Examiner Name

Afremova

Attorney Docket Number

68603-489CN2

ENCLOSURES (Check all that apply)

Fee Transmittal Form



Fee Attached



Amendment/Reply



After Final



Affidavits/declaration(s)



Extension of Time Request

Express Abandonment Request
(Supplemental)

Information Disclosure Statement

Certified Copy of Priority
Document(s)Reply to Missing Parts/
Incomplete ApplicationReply to Missing Parts
under 37 CFR 1.52 or 1.53

Drawing(s)



Licensing-related Papers



Petition

Petition to Convert to a
Provisional ApplicationPower of Attorney, Revocation
Change of Correspondence Address

Terminal Disclaimer



Request for Refund



CD, Number of CD(s) _____



Landscape Table on CD



After Allowance Communication to TC

Appeal Communication to Board
of Appeals and InterferencesAppeal Communication to TC
(Appeal Notice, Brief, Reply Brief)

Proprietary Information



Status Letter

Other Enclosure(s) (please identify
below):

- Postcard

Remarks

Also Enclosed:

- Form PTO-1449; 3 references

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name

Wilmer Cutler Pickering Hale and Dorr LLP

Signature

Alison E. Corkery

Printed name

Alison E. Corkery

Date

11/16/2004

Reg. No.

52,770

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature

Typed or printed name

Date

11/16/2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

BEST AVAILABLE COPY

Express Mail Label No: EV207559792US

Date of Mailing: 11/16/2004

Express Mail Label No: EV207559792US
Date of mailing: 11/16/2004

PTO/SB/17 (10-04)
Approved for use through 07/31/2006. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180.00

Complete if Known

Application Number	10/615623
Filing Date	07/08/2003
First Named Inventor	Abraham
Examiner Name	Afremova
Art Unit	1651
Attorney Docket No.	68603-489CN2

METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit Account Number: 08-0219
Deposit Account Name: Wilmer Cutler Pickering Hale and Dorr LLP

The Director is authorized to: (check all that apply)

☒ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1001 790	2001 395	Utility filing fee	
1002 350	2002 175	Design filing fee	
1003 550	2003 275	Plant filing fee	
1004 790	2004 395	Reissue filing fee	
1005 160	2005 80	Provisional filing fee	

SUBTOTAL (1) (\$) 0.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	
		0	0

Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid
1202 18	2202 9	Claims in excess of 20	
1201 88	2201 44	Independent claims in excess of 3	
1203 300	2203 150	Multiple dependent claim, if not paid	
1204 88	2204 44	** Reissue independent claims over original patent	
1205 18	2205 9	** Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) (\$) 0.00

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Small Entity

Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65		Surcharge - late filing fee or oath	
1052 50	2052 25		Surcharge - late provisional filing fee or cover sheet	
1053 130	1053 130		Non-English specification	
1812 2,520	1812 2,520		For filing a request for <i>ex parte</i> reexamination	
1804 920*	1804 920*		Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*		Requesting publication of SIR after Examiner action	
1251 110	2251 55		Extension for reply within first month	
1252 430	2252 215		Extension for reply within second month	
1253 980	2253 490		Extension for reply within third month	
1254 1,530	2254 765		Extension for reply within fourth month	
1255 2,080	2255 1,040		Extension for reply within fifth month	
1401 340	2401 170		Notice of Appeal	
1402 340	2402 170		Filing a brief in support of an appeal	
1403 300	2403 150		Request for oral hearing	
1451 1,510	1451 1,510		Petition to institute a public use proceeding	
1452 110	2452 55		Petition to revive - unavoidable	
1453 1,330	2453 665		Petition to revive - unintentional	
1501 1,370	2501 685		Utility issue fee (or reissue)	
1502 490	2502 245		Design issue fee	
1503 660	2503 330		Plant issue fee	
1460 130	1460 130		Petitions to the Commissioner	
1807 50	1807 50		Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180		Submission of Information Disclosure Stmt	180.00
8021 40	8021 40		Recording each patent assignment per property (times number of properties)	
1809 790	2809 395		Filing a submission after final rejection (37 CFR 1.129(a))	
1810 790	2810 395		For each additional invention to be examined (37 CFR 1.129(b))	
1801 790	2801 395		Request for Continued Examination (RCE)	
1802 900	1802 900		Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 180.00

SUBMITTED BY

Name (Print/Type)	Alison E. Corkery	Registration No. (Attorney/Agent)	52,770	Telephone	617-526-6738
Signature	<i>Alison E. Corkery</i>	Date	11/16/2004		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

EST AVAILABLE 10/1



PATENTS
Atty. Docket No. 68603.489CN2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Abraham et al.	Art Unit:	1651
Serial No.:	10/615,623	Examiner:	Afremova, Vera
Filing Date:	July 8, 2003	Conf. No.:	9523
Title:	CHEMICAL CLEANING OF BIOLOGICAL MATERIAL	Customer No.:	23483

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to 37 C.F.R. §§ 1.56 and 1.97 the Applicants herewith submit the attached Form PTO-1449 citing the listed references for filing in the above-referenced application.

A copy of the cited patent is not submitted pursuant to 37 C.F.R. §1.98(a)(2)(ii). Copies of the other cited references are enclosed herewith.

The present application is a continuation of U.S. Patent Application No. 09/450577 filed November 30, 1999 (now U.S. Pat. No. 6,599,690), which is a continuation of U.S. Patent Application No. 08/853372 filed May 8, 1997 (now U.S. Pat. No. 5,993,844).

It is respectfully requested that the information enclosed be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In this regard, it is asked that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office Communication.

11/19/2004 AWONDAF1 00000073 080219 10615623

01 FC:1806 180.00 DA

US1DOCS 2309178v1

EXPRESS MAIL LABEL NO. EV207559792 US
DATE OF DEPOSIT 16 Nov. 2004

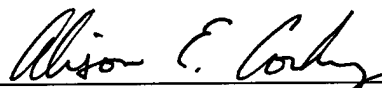
This submission does not represent that a search has been carried out nor does it constitute an admission that the listed documents are material to the patentability of the invention, or that this enclosed art represents prior art. Applicants reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

As this Supplemental Information Disclosure Statement is being submitted after the mailing of a First Office Action, but before the mailing of either a Notice of Allowance or a Final Office Action, pursuant to 37 C.F.R. § 1.97(c), a fee of \$180.00 is due in connection with this submission. Please charge this fee to Deposit Account No. 08-0219. No other fees are believed due, however, the Commissioner is authorized to debit any deficiencies or credit any overpayments to Deposit Account No. 08-0219.

Respectfully submitted,

Date:

Nov. 16, 2004



Alison E. Corkery Reg. No. 52,770
Attorney for Applicants

WILMER CUTLER PICKERING
HALE AND DORR LLP
60 State Street
Boston, MA 02119
(617)-526-6000 (Telephone)
(617)-526-5000 (Facsimile)



Subject, PTO-1449				Docket Number 68603-489CN2	Application Number 10/615,623
INFORMATION DISCLOSURE IN AN APPLICATION (Use several sheets if necessary)				Applicant Abraham, et al.	
				Filing Date 7/8/2003	Group Art Unit 1651
Sheet	1	OF	1		

U.S. Patent Documents				
Examiner Initial	Document Number	Publ. Date mm-dd-yyyy	Name Of Patentee Or Applicant Of Cited Documents	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
	US-5,397,353	03/14/1995	Oliver, et al.	

Foreign Patent Documents					
Examiner Initial	Cite No.	Foreign Patent Document	Publ. Date mm-dd-yyyy	Country	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code-Number-Kind			

Examiner's Initial	Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)	
	AA	Cobb, et al., "Histology After Dural Grafting with Small Intestinal Submucosa", Surg. Neurol., 46:389-94 (1996)
	AB	Matsumoto, et al., "Further Application of Intestinal Submucosa as a Patch Graft", Surgery, 61(4): 584-587 (1967)
	AC	Steven, et al., "Polymeric Collagen Isolated from the Human Intestinal Submucosa", Gut, 10:484-487 (1969)
	AD	
	AE	
	AG	
	AH	
	AI	
	AJ	
	AK	
	AL	

EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.	